

Title (en)
Joining and/or gluing method and products produced according to this method

Title (de)
Füge- und/oder Verklebungsverfahren und auf diese Weise hergestellte Produkte

Title (fr)
Procédé d'assemblage et/ou de collage et produits fabriqués de cette manière

Publication
EP 2653514 A3 20170517 (DE)

Application
EP 13001596 A 20130327

Priority
• DE 102012007786 A 20120420
• DE 102012008402 A 20120427

Abstract (en)
[origin: EP2653514A2] Mounting an edge, preferably a plastic edge on a material, preferably mounting edge bands on at least one narrow surface of a part, preferably plate-shaped material, comprises (a) applying a side of the material, preferably a material part of the edge band with an energy activatable adhesive layer obtained based on a dispersion or solution of at least an adhesive polymer, for connecting, and (b) mounting the obtained edge band on at least one narrow face of the material part under the effect of energy, preferably joining and/or gluing permanently with at least one narrow face of material part. Mounting an edge, preferably a plastic edge on a material, preferably mounting edge bands on at least one narrow surface of a part, preferably plate-shaped material by joining and/or gluing, comprises (a) applying a side of the material, preferably a material part of the edge band with an energy activatable adhesive layer obtained based on a dispersion or solution of at least an adhesive polymer, preferably polyvinyl acetates in the absence of an energy absorbing additive, for connecting, and (b) mounting the obtained edge band on at least one narrow face of the material part under the effect of energy, preferably joining and/or gluing permanently with at least one narrow face of the material part. Independent claims are also included for: (1) a material, preferably plate-shaped material part, where at least one narrow face of the material is provided with an edge band, obtained by the above method; (2) applying a energy activatable adhesive layer on at least one side of an edge bands, for subsequent mounting of the edge, preferably the plastic edge on a material by joining and/or adhesive bonding, comprising applying the edge band on at least one of its two sides, preferably its side to be joined at a material, with the energy activatable adhesive layer; (3) an edge band comprising energy activatable adhesive layer formed on at least one side and which is produced by the method; and (4) use of a composition, preferably in the form of a dispersion or solution comprising at least one adhesive polymer.

IPC 8 full level
C09J 5/06 (2006.01); **C09J 7/35** (2018.01)

CPC (source: EP US)
B27D 5/003 (2013.01 - EP US); **B29C 63/003** (2013.01 - EP US); **B29C 63/005** (2013.01 - EP US); **B32B 7/12** (2013.01 - US); **B32B 37/02** (2013.01 - US); **C09J 5/02** (2013.01 - US); **C09J 5/06** (2013.01 - EP US); **C09J 7/35** (2017.12 - EP US); **C09J 131/04** (2013.01 - EP US); **C08K 2201/019** (2013.01 - EP US); **C09J 2301/408** (2020.08 - EP US); **C09J 2301/416** (2020.08 - EP US); **C09J 2400/283** (2013.01 - EP US); **C09J 2431/00** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US); **Y10T 428/24777** (2015.01 - EP US); **Y10T 428/2878** (2015.01 - EP US)

Citation (search report)
• [XY] DE 2629732 A1 19780105 - KLESSMANN IMA NORTE MASCHFAB
• [X] US 2004250516 A1 20041216 - MAAKS GARY E [US], et al
• [XY] US 2821497 A 19580128 - WORKS WILLIAM R, et al
• [Y] WO 2010009805 A1 20100128 - KARL W NIEMANN GMBH & CO KG [DE], et al
• [T] EP 2653513 A2 20131023 - JOWAT AG [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2653514 A2 20131023; EP 2653514 A3 20170517; AU 2013203068 A1 20131114; AU 2013203068 B2 20150618; BR 102013009245 A2 20150623; CA 2810797 A1 20131020; CN 103374301 A 20131030; CN 103374301 B 20150916; DE 102012008402 A1 20131024; DE 102012008402 B4 20151015; MX 2013004332 A 20131021; MX 346707 B 20170329; MY 166459 A 20180627; US 2013302573 A1 20131114; US 9370917 B2 20160621

DOCDB simple family (application)
EP 13001596 A 20130327; AU 2013203068 A 20130409; BR 102013009245 A 20130416; CA 2810797 A 20130328; CN 201310140656 A 20130419; DE 102012008402 A 20120427; MX 2013004332 A 20130418; MY PI2013700632 A 20130418; US 201313864665 A 20130417